

## **Historic, archived document**

Do not assume content reflects current scientific knowledge, policies, or practices.



F 7610r  
Reserve

Forest Service Library



1  
F76W0



World's Columbian Exposition, Government Building,  
Jackson Park,  
Exhibit United States Department Agriculture,  
Division of Forestry, Illustrating the Preservation of Timber.

....SERVIS TIE PLATE....  
The Q. & C. Company, Sole Manufacturers,  
Western Union Building, Chicago,  
29 Broadway, New York.





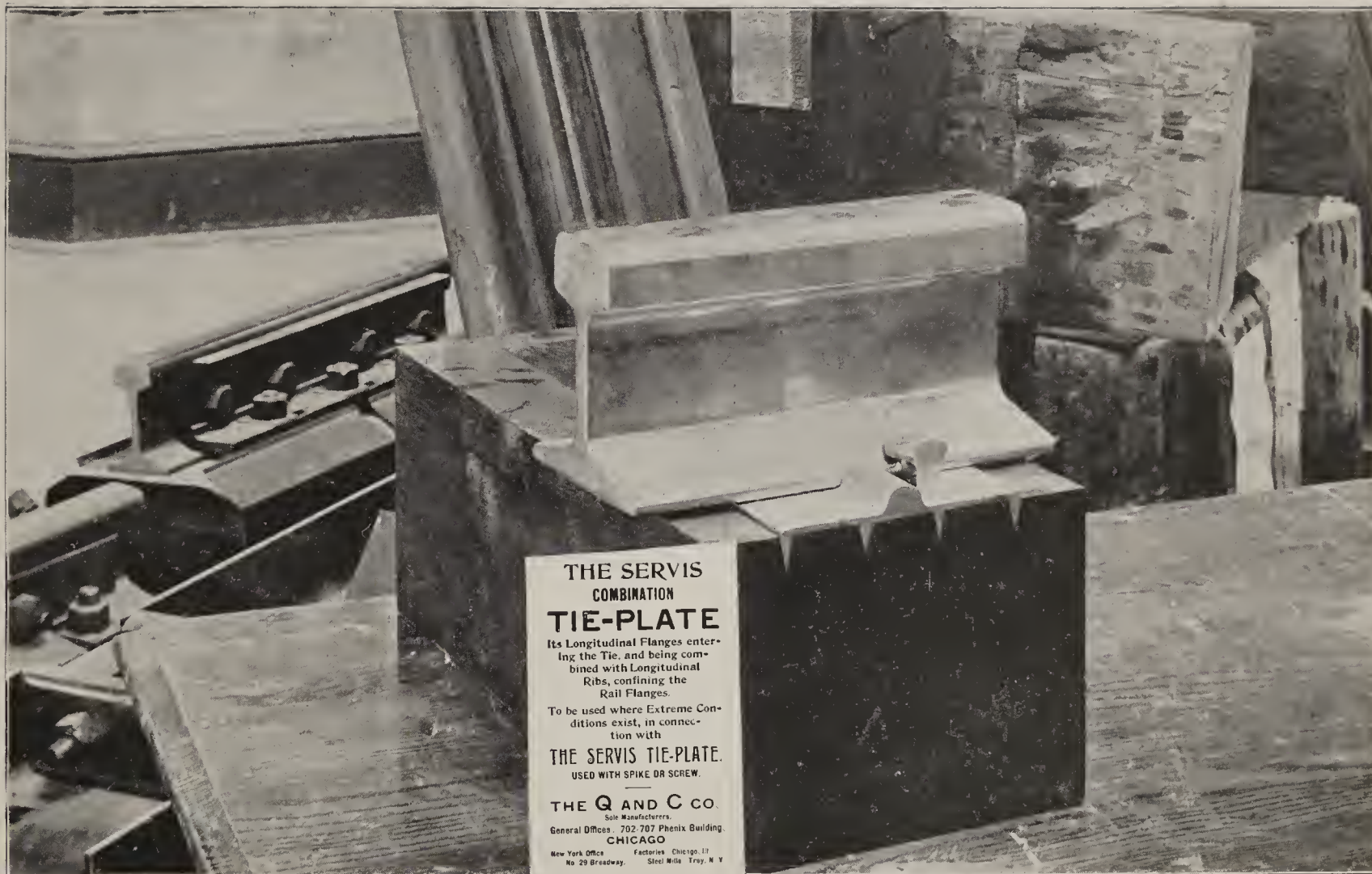


World's Columbian Exposition, Government Building,  
Jackson Park,  
Exhibit United States Department Agriculture,  
Division of Forestry, Illustrating the Preservation of Timber.

....SERVIS TIE PLATE....  
The Q. & C. Company, Sole Manufacturers,  
Western Union Building, Chicago,  
29 Broadway, New York.



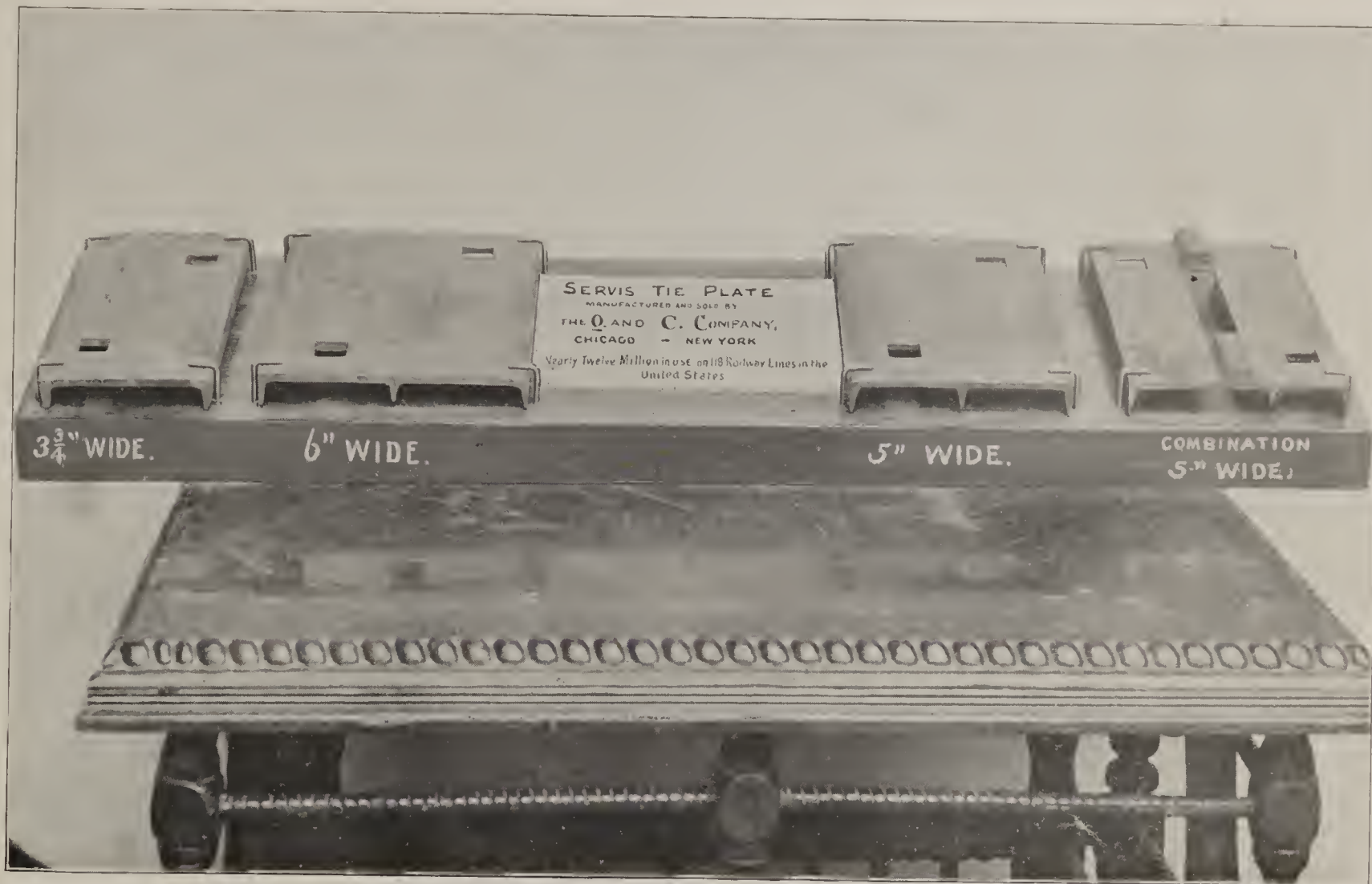




World's Columbian Exposition, Government Building,  
Jackson Park,  
Exhibit United States Department Agriculture,  
Division of Forestry, Illustrating the Preservation of Timber.

...SERVIS TIE PLATE...  
The Q. & C. Company, Sole Manufacturers,  
Western Union Building, Chicago  
29 Broadway, New York.





World's Columbian Exposition, Government Building,  
Jackson Park,  
Exhibit United States Department Agriculture,  
Division of Forestry, Illustrating the Preservation of Timber.

....SERVIS TIE PLATE....  
The Q. & C. Company, Sole Manufacturers,  
Western Union Building, Chicago,  
29 Broadway, New York.





1



4



**SPIKES DO NOT SHEAR**

But Fail by abrasion due to rail movement.

**THE SERVIS TIE PLATE**

Greatly restricts the movement of rails, hence minimizes such abrasion.

**SAMPLE SPIKES**

Used with the Servis Tie Plates on curves, subjected to fast trains and heavy traffic.

No. 1. Removed from D. & R. Grande Ry. Track.  
10 Months' service in 12° curve, 3% grade

Nos. 2 and 3. Removed from Maine Central Ry. Track.  
4 years' service in 5° curve

No. 4. Removed from Providence & Worcester Ry.  
Over 2 years' service in 4° curve

Spike abrasion much less with than without Servis Tie Plates.


**SERVIS TIE PLATE,**

MANUFACTURED BY

**THE Q. AND C. COMPANY,**

CHICAGO. NEW YORK.

2



3



World's Columbian Exposition, Government Building,  
Jackson Park,  
Exhibit United States Department of Agriculture,  
Division of Forestry, Illustrating the Preservation of Timber.

....SERVIS TIE PLATE....  
The Q. & C. Company, Sole Manufacturers,  
Western Union Building, Chicago,  
29 Broadway, New York.







